2014-00657203372

S.E.O.O

700 DEC 20 AH 10: 40

Individual NPDES Application

Form 1

Form 2C

Please type Do not complete by hand Document#:		8 J	FC					
FORM Org/Place/Po	ersor	ı:	0 17	43	I. EPA I.D. NUMBER			
T EPA Revenue ID	#:_9	17	8713	***************************************	04014472	0		
LABEL ITEMS I. EPA I.D. NUMBER					If a preprinted label has be it in the designated space.	Review	the in	form-
III. FACILITY NAME					ation carefully; if any of it is through it and enter the co appropriate fill-in below. Al	rrect dat	a in th	
V. FACILITY	()	1	1,-		the preprinted data is abserted to the label space lists	nt (the the info	area t rmatio	7
V. FACILITY MAILING ADDRESS	V()1	62)	that should appear), please proper fill-in area(s) below complete and correct, you	If the la	bel is	
VI. FACILITY LOCATION					Items I, III, V, and VI (ex must be completed regard items if no label has been the instructions for detailed tions and for the legal auth which this data is collected	cept VI- less). C provided I item de orization	B whice complete in Reference i	ch ete all er to
II. POLLUTANT CHARACTERISTICS								
INSTRUCTIONS: Complete A through G to determine whe questions, you must submit this form and the supplementa if the supplemental form is attached. If you answer "no" to is excluded from permit requirements; see Section C of the	al form each e instri	liste quest uction	d in the p ion, you ns. See a	parenthesis following the question need not submit any of these for	 Mark "X" in the box in the ms. You may answer "no" i 	third of f your a ced te l	olum activit r ms .	n y
SPECIFIC QUESTIONS	YES	MARK NO	FORM	SPECIFIC QU	ESTIONS	YES	MARK NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X	ATTACHED	B. Does or will this facility (either e include a concentrated animal aquatic animal production facil discharge to waters of the U.S.	feeding operation or lity which results in a		X	ATTAMEL
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	×		X	D. Is this a proposed facility (other to A or B above) which will result in waters of the U.S.? (FORM 2	a discharge to		×	· · · · · · · · · · · · · · · · · · ·
E. Is this a facility which does not discharge process wastewater? (FORM 2E)		×		F. Is this a facility which discharges associated with industrial activity			×	
G. Do you generate sewage sludge that is ultimately regulated by Part 503? Do you generate sewage sludge that is sent to another facility for treatment or blending? Do you process or derive material from sewage sludge that is disposed in a manner subject to Part 503? (FORM 2S)		×						
III. NAME OF FACILITY								
Vail South IV. FACILITY CONTACT			3 75		10 E			
A. NAME & TTILE (last, first, _title)					B. PHONE (area o	***********	100	
Barry Alexin					(330) 62	- 14	HUU	
V. FACILITY MAILING ADDRESS A. STREET OR P.O. BOX								
95 North Lisbon Street						ning yang kang pang kanbali da 1800		
B, CITY OR TOWN Carrollton	÷			c state Ohio	D. ZIP CODE 44615		***************************************	
VI. FACILITY LOCATION				Office	TO LO			
A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIES								
Section 22, T-11-N R-7-W, Freeport Township, I	Harris	son (Co.; Se	ction21, T-11-N R-7-W, Lo	ndonderry Township,	Guer	nsey	/ Co.
B. COUNTY NAME		P) A.				0243-034-0-0	in _e
Harrison; Guernsey		4		D. STATE	E. ZIP CODE	ғ. со <u>у</u> м	Y CODE	
Freeport				Ohio	43973	2/6	[]3	
		C	AUG (1 2013 Check	253/3 Date	83	0])	3
EPA Form 3510-1 (Rev. for Ohio EPA use 2/06)		Š	Vinedal C	k to clear all entered informat	A Committee of Com		geogra	EVERSE LEAR

Please type. Do not complete by ha	and.	SEATES.	*100 K	351/31				
FORM EP	U.S. ENVIRONMENTAL II GENERAL II	NFO	AMP	NOITA		I. EPA I.D. NUMBER		
GENERAL	Consolidated (Read the "General Inst	Permits ructions"	Progra before	m starting)				
LABEL ITEMS				N	UIIIA	If a preprinted label has it in the designated space		
I. EPA I.D. NUMBER					9 L. U U	ation carefully; if any of	it is incorrect, o	ross
III. FACILITY NAME	Ohio EPA doe	n	at n	rovida	Pabels20 AMIO: 40	through it and enter the appropriate fill-in below.	. Also, if any of	
V. FACILITY	Enter this info	rma	uc p	i in ita	me I III V	the preprinted data is at left of the label space lis	sts the informat	ion
MAILING ADDRESS	and VI.	IIIIa	uoi	i ii i itGi	113 1, 111, V	that should appear), ple proper fill-in area(s) belo		
	ana vi.					complete and correct, y Items I, III, V, and VI	ou need not co	mplete
VI. FACILITY						must be completed rega items if no label has bee	ardless). Com	olete all
LOCATION						the instructions for deta	iled item descri	p-
	en Marinin					tions and for the legal a which this data is collec		lider
II. POLLUTANT CHARACTERIST	ics Table 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
INSTRUCTIONS: Complete /	A through G to determine whe	ther y	ou n	eed to su	bmit any permit application forms	to the EPA. If you answ	er "yes" to a	ny
questions, you must submit the	his form and the supplementa	al form	liste	d in the p	arenthesis following the question need not submit any of these for	. Mark "X" in the box in t	the third colu	mn
is excluded from permit requi	rements; see Section C of the	each e instri	ques uctio	ns. See a	lso, Section D of the instructions	for definitions of bold -	faced terms	i.
SPECIFIC QUE	STIONS		MARK		SPECIFIC QU	ESTIONS	MAF	K'X'
		YES	NO.	FORM ATTACHED			YES NO	FORM ATTACHED
A. Is this facility a publicly owner which results in a discharge to	d treatment works		V		B. Does or will this facility (either e include a concentrated animal)	leeding operation or		
(FORM 2A)			Х		aquatic animal production faci discharge to waters of the U.S.	lity which results in a ? (FORM 2B)		`
C. Is this a facility which currently re	esults in discharges				D. Is this a proposed facility (other t			
to waters of the U.S. other the A or B above? (FORM 2C)		X		X	A or B above) which will result in waters of the U.S.? (FORM 2		×	
	anne ann an t-aire ann an							
E. Is this a facility which does not d wastewater? (FORM 2E)	ischarge process		\checkmark		F. Is this a facility which discharges associated with industrial activity			/
The state of the s			X					`
G. Do you generate sewage sludg	e that is ultimately regulated by							
Part 503? Do you generate sew another facility for treatment or			V					· · · · · · · · · · · · · · · · · · ·
derive material from sewage sli	udge that is disposed in a		/\					
manner subject to Part 503?	(FORM 2S)							
III. NAME OF FACILITY								
Vail South								
IV. FACILITY CONTACT	IAME & TTILE (last, first, litte)					p. Buoys		
Barry Alexin	PARE & TIBLE (Mar, July 2016)					8. PHONE (and (330)) 6	27 – 1400	
V. FACILITY MAILING ADDRESS	ing kalabag Melakuwa Kabupaten Melaku M						52.2	
V. FACILITY MAILING ADDRESS	A, STREET OR P.O. BOX							
95 North Lisbon Street								
	B. CITY OR TOWN				C. STATE	D. ZIP CODE		
Carrollton					Ohio	44615		4. T.
VI. FACILITY LOCATION								
	OUTE NO. OR OTHER SPECIFIC IDENTIFIER							
Section 22, T-11-N R-7-V	V, Freeport Township, F	larris	on (Co.; Se	ction21, T-11-N R-7-W, Lo	ndonderry Townshi	p, Guernse	еу Со.
	B. COUNTY NAME	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************					
Harrison; Guernsey			-			2 20 20 2	F. COUNTY CO	DE
Franct	C. CITY OR TOWN				D. STATE Ohio	43973	(if kilowi)	
Freeport					LOIN	1 70010		***************************************
								-

EPA Form 3510-1 (Rev. for Ohio EPA use 2/06)

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

VII. SIC CODES (4-digit, in order of priority)					
A. FIRST (specify)		(speci	fy).	B. SECOND	
,			22		
C. THIRD				D. FOURTH	
(specify)		(specij	(y)		
VIII. OPERATOR INFORMATION					
	A. NAME				B. Is the name listed in Item VIII-A also the
Rosebud Mining Company					owner? Yes No
	o the answer box; if "Other", specify.)				D. PHONE (area code & no.)
F = FEDERAL M = PUBLIC (other than S = STATE O = OTHER (specify) P = PRIVATE	n federal or state) (specify)			:	(330) 627 – 1400
E. STREET OR P.O. BOX					
95 North Lisbon Street					
F. CITY OR TOWN		G. STATE	H. ZIP CODE	IX. INDIAN	
Carrollton		Ohio	44615	Yes	ity located on Indian lands? No
X. EXISTING ENVIRONMENTAL PERMITS					
A NPDES (Discharges to surface water)	D. PSD (Air emissions from propose	ed sources)			
B. UIC (Underground injection of fluids)	E. OTHER (specify)				
		(sp	recify)		
C. RCRA (Hazardous waste)	F. OTHER (specify)			indaanna manana man	
		(sp	ecify)		
XI. MAP					
Attach to this application a topographical ma	ap of the area extending to at leas	st one mile bevo	nd property bounda	ries. The ma	ao must show
the outline of the facility, the location of each					Mark the second
treatment, storage, or disposal facilities, and		underground. Inc	clude all springs, riv	ers, and oth	er surface
water bodies in the map area. See instruction					
XII. NATURE OF BUSINESS (provide a brief des	scription)				
Coal Waste Disposal Facility					
XIII. CERTIFICATION (see instructions)					and the second second
				later in a set the set	
I certify under penatly of law that I have pers attachments and that, based on my inquiry o					
application, I belive that the information is tru					
false information, including the possibility of the	fine and imprisonment.				
A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATI	JRE	•		C. DATE SIGNED
Barry J. Alexin, Engineer	8,	MAG	Oalin		12-16-2013
COMMENTS FOR OFFICIAL USE ONLY			The second secon		

EPA I.D. NUMBER (copy from Item 1 of Form 1)

Form Approved. OMB No. 2040-0086. Approval expires 3-31-98.

Please print or type in the unshaded areas only.

FORM NPDES U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

THE EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS

Consolidated Permits Program

1 4 2 MP 500 W		- Resident Control			THE SECOND PROPERTY OF	CONTRACTOR SERVICE CONTRACTOR					CONTRACTOR OF THE PARTY OF THE		
	L LOCATION												
		latitude and						f the receiving	water				
	LL NUMBER		B. LATITUDE			C. LONGITUI			D.REC	FIVING	NATER (n	une\	
	list)	1. DEG.	2. MIN.	3. SEC	1. DEG.	2. MIN.	3. SEC.	ļ					<u></u>
02								Unnamed	tributa	ry to	Skull	Fork	Creek
					-	 	<u> </u>			**************************************			dadingstop betrament was a total from the
						<u> </u>							

FLOWE	eonoce (NE DOLLLIT	I TON, AND TR	EATRAENT T	ECHNOLOG	IES I		i.					
A. Attach labeled treatme	a line drawing to correspond ent units, and s of water and	showing the dot to the mooutfalls. If a	ne water flow t re detailed des water balanc tion or treatme	hrough the fa scriptions in I e cannot be nt measures	acility. Indicat tem B. Consi determined (e sources of i ruct a water t e.g., for certa	palance on the in mining activ	operations cont e line drawing b vities), provide	y showing av a pictorial de	erage flo scription	ws between of the natu	in intakes ire and a	nount of a
B. For ea and sto necess	orm water run	vide a desc noff, (2) The	cription of (1) e average flo	All operation w contributed	is contributing to by each of	g wastewater peration; and	to the effluen (3) The treat	t, including pro ment received	cess wastew by the wast	ater, sar ewater. (itary wast Continue o	ewater, c n additio	ooling wat nal sheets
1. OUT-		2. OPEI	RATION(S) Co	ONTRIBUTIN	IG FLOW				3. TRE	ATMENT	*.		
FALL NO. (list)	a, (OPERATIO	N (list)	b	. AVERAGE (include un				CRIPTION		b		DES FRO E 2C-1
002	Storm Water	Runoff		0 gpm			Sedimentat	ion				1-U	
1						<u> </u>	Discharge	to surface wa	ter			4-A	
		aces are recommended to the side								,		***************************************	

						*****************************		adamentaja kara da liida kada akkari akk					
						<u> </u>				***********			1
				_	******************************		ļ			-	_		
		2000 CONTRACTOR OF THE PROPERTY OF THE PROPERT			**************************************								
				•									

-	***************************************					· · · · · · · · · · · · · · · · · · ·	 	<u>JE JULIUS PROMODINIS PROPINS </u>				***************************************	
									waty-man-			***************************************	
					8.0								
					***************************************					***************************************			
1			······································							THE CONTRACTOR OF THE CONTRACT		-	
		management of the state of the				************	 						
								······		****************			
			en anni anni in ann an a										
										***************************************		***************************************	
		<u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>				***************************************				***************************************		***************************************	
1										-			
ı													

ł													1

CONTINUED FROM TH										
C. Except for storm rul	noff, leaks, or s _i complete the follo		of the discharges		Items II-A or B int		sonal?			
	comprese sucyons	,,,,,,g, min,,,			REQUENCY		iiii dalkalaan maa missa missa missa ka	4. FLOW		Melostador de la composição de la compos
Life				a. DAYS PE	R	- 51 014/51			L VOLUME	
1. OUTFALL		IPERATION(s) RIBUTING FLO	N ⁻	WEEK (specify	b. MONTHS PER YEAR	a, FLOW RA	1E (in mgd) 2. MAXIMUM	1. LONG TERM	with units) 1 2. MAXIMI	JM C. DURATIO
NUMBER (list)		(list)		average)	(specify average)	AVERAGE	DAILY	AVERAGE	DAILY	(in days)
										-
									1	
re-encountries										
- Constitution of the Cons										
erina di Anna										
PRODUCTION										
Does an effluent gui	and an experience of the control of		by EPA under Se	ection 304 of		the state of the s	ır facility?	-		
	omplete Item III-				NO (go to Sec					
Are the limitations in	the applicable complete Item III-		line expressed in	terms of pro	oduction (or other NO (go to Sec		ration)?			
If you answered "ye	es" to Item III-B	, list the quan	tity which represe	ents an actu	ORGANICA		production, exp	ressed in the	terms and u	inits used in the
applicable effluent of	guideline, and ir	ndicate the aff	ected outfalls.		· ·					
201124.000000000000000000000000000000000			ERAGE DAILY P		TION, PRODUCT,	MATERIAL, ET	C.:		FECTED OU	
. QUANTITY PER D.	AY b. UNII:	S OF MEASU	KE		(specify)	***************************************				anguning ang ang ang ang ang ang ang ang ang a
	Smanlyarekooso									
							:			
IMPROVEMENTS										
Are you now requirement	red by any Fed at or practices o	deral, State or r anv other er	r local authority vironmental prog	to meet any	y implementation may affect the dis	schedule for the charges describe	e construction ed in this appli	, upgrading o	r operations icludes, but	of wastewater is not limited to
permit conditions, a	dministrative or	enforcement	orders, enforcem	ent compliar	nce schedule lette	rs, stipulations,	court orders, ar	nd grant or loa	n conditions	
☐ YES (c	omplete the follo	r			NO (go to Iten	1 IV-B)			opensor to the second of the second	
IDENTIFICATION O AGREEMENT		2. AFI	ECTED OUTFAL	LLS	3. BRIEF	DESCRIPTION	OF PROJECT	4.1	FINAL COM	PLIANCE DATE
7 3 Sept 1 Same Sept (#1 Sept 1 Sept	, = : 0.	a. NO.	b. SOURCE OF DI	SCHARGE				a. F	REQUIRED	b. PROJECTED
								ŀ		
				1						
				Direction						
				icolomonopo						
				i i i i i i i i i i i i i i i i i i i						
OPTIONAL: You m	ay attach addi	tional sheets	describing any a	additional wa	ater pollution con	trol programs (or other enviro	nmental proje	ects which r	nay affect your
discharges) you nov construction.	v nave underwa	ly of which yo	u pian. Indicate v	wnetner each	n program is now	underway of pla	mnea, and indi	cate your actu	al or planne	u scnedulės fol
	Y" IF DESCRIE	PTION OF AL	DITIONAL CONT	PROLEROG	RAMS IS ATTAC	HED.				

EPA I.D. NUMBER (copy from Item I of Form I)

CONTINUED FROM PAGE 2

A, B, & C: See instructions before process NOTE: Tables V-A, V-B, and V		outfall – Annotate the outfall number in the s red V-1 through V-9.	space provided.
D. Use the space below to list any of the	pollutants listed in Table 2c-3 of the instruc	ctions, which you know or have reason to be we it to be present and report any analytical	elieve is discharged or may be discharged data in your possession.
1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
VI. POTENTIAL DISCHARGES NOT COV	EDED BY ANNIVOIS		
Is any pollutant listed in Item V-C a substar		ou currently use or manufacture as an intern	nediate or final product or byproduct?
YES (list all such pollulants		NO (go to Item VI-B)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		•	
			Indicates

2014-00657203372

VII. BIOLOGICAL TOXICITY TESTING DATA			
	eve that any biological test for acute or chronic toxicity	has been made on any of your dis	charges or on a receiving water in
relation to your discharge within the last 3 year	rs?		
YES (identify the test(s) and des	cribe their purposes below)	NO (go to Section VIII)	
			A
			N
			- N N. N. N
VIII. CONTRACT ANALYSIS INFORMATION			
	erformed by a contract laboratory or consulting firm?		
Were any of the analyses reported in Item V p	erformed by a contract laboratory or consulting firm?	71.00 (20 6 5 20 20 20 20 20 20 20 20 20 20 20 20 20	
Were any of the analyses reported in Item V p	telephone number of, and pollutants analyzed by,	NO (go to Section IX)	
Were any of the analyses reported in Item V p	telephone number of, and pollutants analyzed by,	C. TELEPHONE	D. POLLUTANTS ANALYZED
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm	l telephone number of, and pollutants analyzed by, n below)		D. POLLUTANTS ANALYZED (list)
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm	l telephone number of, and pollutants analyzed by, n below)	C. TELEPHONE	
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm	l telephone number of, and pollutants analyzed by, n below)	C. TELEPHONE	
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm	l telephone number of, and pollutants analyzed by, n below)	C. TELEPHONE	
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm	l telephone number of, and pollutants analyzed by, n below)	C. TELEPHONE	
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm	l telephone number of, and pollutants analyzed by, n below)	C. TELEPHONE	
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm	l telephone number of, and pollutants analyzed by, n below)	C. TELEPHONE	
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm	l telephone number of, and pollutants analyzed by, n below)	C. TELEPHONE	
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm	l telephone number of, and pollutants analyzed by, n below)	C. TELEPHONE	
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm	l telephone number of, and pollutants analyzed by, n below)	C. TELEPHONE	
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm	l telephone number of, and pollutants analyzed by, n below)	C. TELEPHONE	
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm	l telephone number of, and pollutants analyzed by, n below)	C. TELEPHONE	
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm	l telephone number of, and pollutants analyzed by, n below)	C. TELEPHONE	
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm	l telephone number of, and pollutants analyzed by, n below)	C. TELEPHONE	
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm	l telephone number of, and pollutants analyzed by, n below)	C. TELEPHONE	
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm	l telephone number of, and pollutants analyzed by, n below)	C. TELEPHONE	
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm A. NAME	l telephone number of, and pollutants analyzed by, n below)	C. TELEPHONE	
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm A. NAME	telephone number of, and pollutants analyzed by, a below) B. ADDRESS	C.TELEPHONE (area code & no.)	(list)
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm A. NAME IX. CERTIFICATION I certify under penalty of law that this docume qualified personnel properly gather and eva	telephone number of, and pollutants analyzed by, a below) B. ADDRESS ent and all attachments were prepared under my directual to the information submitted. Based on my inquirectual to the information submitted.	C. TELEPHONE (area code & no.)	rith a system designed to assure that anage the system or those persons
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm) A. NAME IX. CERTIFICATION I certify under penalty of law that this docume qualified personnel properly gather and evalured directly responsible for gathering the information.	telephone number of, and pollutants analyzed by, a below) B. ADDRESS ent and all attachments were prepared under my direluate the information submitted. Based on my inquition, the information submitted is, to the best of my ki	ction or supervision in accordance we yo of the person or persons who moveledge and belief, true, accurate,	rith a system designed to assure that anage the system or those persons
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm) A. NAME IX. CERTIFICATION I certify under penalty of law that this docume qualified personnel properly gather and evalured directly responsible for gathering the information.	telephone number of, and pollutants analyzed by, a below) B. ADDRESS ent and all attachments were prepared under my direluate the information submitted. Based on my inquisition, the information submitted is, to the best of my known to the information, including the possibility of fine and imprison.	ction or supervision in accordance we yo of the person or persons who moveledge and belief, true, accurate,	rith a system designed to assure that anage the system or those persons
IX. CERTIFICATION I certify under penalty of law that this docume qualified personnel properly gaffer and evadirectly responsible for gathering the informative significant penalties for submitting false in A. NAME & OFFICIAL TITLE (type or print)	telephone number of, and pollutants analyzed by, a below) B. ADDRESS ent and all attachments were prepared under my direluate the information submitted. Based on my inquisition, the information submitted is, to the best of my known to the information, including the possibility of fine and imprison.	C. TELEPHONE (area code & no.) ction or supervision in accordance way of the person or persons who managed and belief, true, accurate, inment for knowing violations.	rith a system designed to assure that anage the system or those persons
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm A. NAME IX. CERTIFICATION I certify under penalty of law that this docume qualified personnel properly gather and evalured directly responsible for gathering the information are significant penalties for submitting false in A. NAME & OFFICIAL TITLE (type or print) Barry J. Alexin, Engineer	telephone number of, and pollutants analyzed by, a below) B. ADDRESS ent and all attachments were prepared under my direluate the information submitted. Based on my inquisition, the information submitted is, to the best of my known that the information including the possibility of fine and imprisciple.	C. TELEPHONE (area code & no.) ction or supervision in accordance we see the person or persons who moved and belief, true, accurate, nament for knowing violations. PHONE NO. (area code & no.) (330) 627-1400	rith a system designed to assure that anage the system or those persons
Were any of the analyses reported in Item V p YES (list the name, address, and each such laboratory or firm A. NAME IX. CERTIFICATION I certify under penalty of law that this docume qualified personnel properly gather and evadirectly responsible for gathering the information are significant penalties for submitting false in	telephone number of, and pollutants analyzed by, a below) B. ADDRESS ent and all attachments were prepared under my directly attached the information submitted. Based on my inquition, the information submitted is, to the best of my known information, including the possibility of fine and imprison the pos	C. TELEPHONE (area code & no.) ction or supervision in accordance way of the person or persons who moveledge and belief, true, accurate, inment for knowing violations. PHONE NO. (area code & no.)	rith a system designed to assure that anage the system or those persons

EPA Form 3510-20(8-90)

CONTINUE ON REVERSE

PAGE V-1

EPA Form 3510-2C (8-90)

. Nitrate-Nitrite

(as N)

e. Fluoride (16984-48-8)

d. Fecal Coliform

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

E INSTRUCTIONS.

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO. 002

b. NO. OF ANALYSES b. NO. OF ANALYSES Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements. 5. INTAKE (optional) (2) MASS a. LONG TERM AVERAGE VALUE (2) MASS 4. INTAKE (aptional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION (1) CONCENTRATION VALUE VALUE VALUE b. MASS MASS STANDARD UNITS 4. UNITS 3. UNITS (specify if blank) ۵ a. CONCENTRATION ç ç a. CONCEN-TRATION PART A -You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details. d. NO. OF ANALYSES d. NO. OF ANALYSES c. LONG TERM AVRG. VALUE (If available) (2) MASS (Z) MASS c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION (1) CONCENTRATION b. MAXIMUM 30 DAY VALUE (If available) (Z) MASS VALUE VALUE VALUE 2. EFFLUENT (1) CONCENTRATION b. MAXIMUM 30 DAY VALUE (if available) (2) MASS MAXIMUM (1) CONCENTRATION a. MAXIMUM DAILY VALUE (2) MASS MINIMUM VALUE VALUE VALUE (1) CONCENTRATION MAXIMUM a. MAXIMUM DAILY VALUE (2) MASS (1) CONCENTRATION BELIEVED ABSENT MINIMOM 2. MARK "X" VALUE VALUE VALUE BELIEVED PRESENT c. Total Organic Carbon Biochemical Oxygen b. Chemical OxygenDemand (COD) 1. POLLUTANT d. Total Suspended Solids (735) e. Ammonia (as N) g. Temperature h. Temperature 1. POLLUTANT Chlorine, Total a. Biochemical
 Demand (BOD) CAS NO. (if available) a. Bromide (24959-67-9) PART B-Residual (winter) c. Color f. Flow (7007) <u>-</u>

- b. NO. OF ANALYSES PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you wastewater eason to believe is present. Bark "X" in column 2-b for each pollutant if you mark column 2-b for any pollutant, you must provide the results of at least one analysis for that pollutant. If you wark column 2-b for acrolein, acrylonitrile, 2-b dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you wast concentrations of 10 ppb or greater. If you mark column 2-b you must either submit at least one analysis or believe that you discharge in concentrations of 10 ppb or greater. Otherwise, for pollutants for which you mark column 2-b you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part, please review each carefully. Complete one table (all 7 pages) for each outfall. 5. INTAKE (optional) (2) MASS a. LONG TERM AVERAGE VALUE (1) CONCENTRATION b. MASS 4. UNITS a CONCENTRATION d. NO. OF ANALYSES (2) MASS c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION b. MAXIMUM 30 DAY VALUE (if available) (Z) MASS 3. EFFLUENT (1) CONCENTRATION a. MAXIMUM DAILY VALUE (Z) MASS DESCRIBE RESULTS (1) CONCENTRATION BELIEVED ABSENT additional details and requirements. METALS, CYANIDE, AND TOTAL PHENOLS CONTINUED FROM PAGE 3 OF FORM 2-C BELIEVED E 2. MARK "X" a, TESTING REQUIRED 4M. Cadmium, Total 1M. Antimony, Total 3M. Beryllium, Total (7440-41-7) 8M, Mercury, Total (7439-97-6) 12M. Thallium, Total (7440-28-0) chlorodibenzo-P-Dioxin (1764-01-6) 1. POLLUTANT CAS NUMBER 2M. Arsenic, Total 6M. Copper, Total (7440-50-8) 11M. Silver, Total 5M. Chromium, Total (7440-47-3) 10M. Selenium, Total (7782-49-2) I3M. Zinc, Total 9M. Nickel, Total (7440-02-0) (if available) 7M. Lead, Total Total (57-12-5) 15M, Phenols, Total 14M. Cyanide (7440-66-6) 2,3,7,8-Tetra-(7440-22-4)(7440-36-0)(7440-43-9) (7439-92-1)(7440-38-2)DIOXIN

OUTFALL NUMBER

EPA I.D. NUMBER (copy from Item 1 of Form 1)

CONTINUE ON REVERSE

- b. NO. OF ANALYSES CONTINUE ON PAGE V-5 5. INTAKE (optional) (1) CONCENTRATION (2) MASS a. LONG TERM AVERAGE VALUE b. MASS 4. UNITS a. CONCENTRATION d. NO. OF ANALYSES CONCENTRATION (2) MASS c. LONG TERM AVRG. VALUE (if available) b. MAXIMUM 30 DAY VALUE (if available) (2) MASS 3. EFFLUENT CONCENTRATION a. MAXIMUM DAILY VALUE (2) MASS TESTING BELIEVED BELIEVED (1)
REQUIRED PRESENT CONCENTRATION GC/MS FRACTION - VOLATILE COMPOUNDS 2. MARK "X" CONTINUED FROM THE FRONT 18V. 1,3-Dichloro-propylene (542-75-6) 7V. Chlorobenzene (108-90-7) 19V. Ethylbenzene (100-41-4) 20V. Methyl Bromide (74-83-9) 21V. Methyl Chloride (74-87-3) 16V. 1,1-Dichloro-ethylene (75-35-4) 17V. 1,2-Dichloro-propane (78-87-5) 1. POLLUTANT AND CAS NUMBER 14V. 1,1-Dichloro-ethane (75-34-3) 15V, 1,2-Dichloro-ethane (107-06-2) 9V. Chloroethane (75-00-3) 3V. Benzene (71-43-2) 4V. Bis (Chloro-methyl) Ether (542-88-1) BV, Chlorodi-bromomethane (124-48-1) 10V. 2-Chloro-ethylvinyl Ether (110-75-8) 11V, Chloroform (67-66-3) 12V. Dichloro-bromomethane (75-27-4) 13V. Dichloro-difluoromethane 2V, Acrylonitrile (107-13-1) (if available) 5V. Bromoform (75-25-2) 6V. Carbon Tetrachloride (56-23-5) 1V. Accrolein (107-02-8) (75-71-8)

PAGE V-4

EPA Form 3510-2C (8-90)

- b. NO. OF ANALYSES 5. INTAKE (optional) (1) CONCENTRATION (2) MASS a. LONG TERM AVERAGE VALUE b. MASS 4. UNITS a. CONCENTRATION CONCENTRATION (2) MASS ANALYSES c. LONG TERM AVRG. VALUE (if available) b. MAXIMUM 30 DAY VALUE (if available) (2) MASS 3. EFFLUENT (1) CONCENTRATION BELIEVED BELIEVED (1)
PRESENT ABSENT CONCENTRATION (2) MASS a. MAXIMUM DAILY VALUE GC/MS FRACTION - VOLATILE COMPOUNDS (continued) GC/MS FRACTION - ACID COMPOUNDS 2. MARK "X" a. TESTING REQUIRED 11A, 2,4,6-Trichloro-phenol (88-05-2) 27V. 1,1,1-Trichloro-ethane (71-55-6) 28V. 1,1,2-Trichloro-ethane (79-00-5) 23V. 1,1,2,2-Tetrachloroethane (79-34-5) 24V. Tetrachloro-ethylene (127-18-4) 1A, 2-Chlorophenol (95-57-8) 31V. Vinyl Chloride (75-01-4) 2A. 2,4-Dichloro-phenol (120-83-2) AND CAS NUMBER 22V. Methylene Chloride (75-09-2) 26V. 1,2-Trans-Dichloroethylene (156-60-5) 29V Trichloro-ethylene (79-01-6) 1. POLLUTANT 3A. 2,4-Dimethyl-phenol (105-67-9) 4A, 4,6-Dinitro-O-Cresol (534-52-1) 7A. 4-Nitrophenol (100-02-7) 6A, 2-Nitrophenol (88-75-5) 8A. P-Chloro-M-Cresol (59-50-7) 5A, 2,4-Dinitro-phenal (51-28-5) 9A. Pentachloro-phenol (87-86-5) 30V. Trichloro-fluoromethane (75-89-4) (if available) 25V. Toluene (108-88-3) 10A. Phenol (108-95-2)

CONTINUED FROM PAGE V-4

EPA Form 3510-2C (8-90)

CONTINUE ON REVERSE

PAGE V-5

- b. NO. OF ANALYSES CONTINUE ON PAGE V-7 5. INTAKE (optional) (2) MASS a. LONG TERM AVERAGE VALUE (1) CONCENTRATION b. MASS 4. UNITS a. CONCENTRATION d. NO. OF ANALYSES (2) MASS c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION PAGE V-6 b. MAXIMUM 30 DAY VALUE (If available) (2) MASS 3, EFFLUENT (1) CONCENTRATION a. MAXIMUM DAILY VALUE (2) MASS (1) CONCENTRATION GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS BELIEVED BELIEVED PRESENT 2. MARK "X" CONTINUED FROM THE FRONT TESTING REQUIRED EPA Form 3510-2C (8-90) 14B. 4-Bramophenyl Phenyl Ether (101-55-3) 15B. Butyl Benzyl Phthalate (85-68-7) 16B. 2-Chloro-naphthalene (91-58-7) 17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3) 9B. Benzo (k)
Fluoranthene
(207-08-9)
10B. Bis (2-Chloroeduoxy) Methane
(111-91-1)
11B. Bis (2-Chloroedny) Ether
(111-44-4) 21B, 1,3-Di-chloro-benzene (541-73-1) 19B. Dibenzo (a,h) Anthracene (53-70-3) 88. Benzo (ghi) Perylene (191-24-2) AND CAS NUMBER (if available) 20B. 1,2-Dichloro-benzene (95-50-1) 2B. Acenaphtylene (208-96-8) 6B. Benzo (a)
Pyrene (50-32-8)
7B. 3,4-Benzofluoranthene
(205-99-2) 12B. Bis (2-Chloroisopropy) Ether (102-80-1) 13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7) 1B, Acenaphthene (83-32-9) 1. POLLUTANT 18B. Chrysene (218-01-9) 3B. Anthracene (120-12-7) 4B. Benzidine (92-87-5) 5B. Benzo (a) Anthracene (56-55-3)

CONTINUED FROM PAGE V-8	M PAGE V-6 2. MARK "X"			3. EFFLUENT			4. UNITS	5, INTAKE (optional)	ptional)
	۵	ថ	a. MAXIMUM DAILY VALUE	b. MAXIMUM 30 DAY VALUE (If available)	c. LONG TERM AVRG. VALUE (if available)			a. LONG TERM AVERAGE VALUE	
CAS NUMBER (if available)	TESTING BELIEVED REQUIRED PRESENT	BELIEVED ABSENT	(1) CONCENTRATION (2) MASS	RATION (2) MASS	ö	ANALYSES	a. CONCEN- TRATION b. MASS	(1) CONCENTRATION	(2) MASS ANALYSES
GC/MS FRACTION	GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)	MPOUND		JI] [
22B. 1,4-Dichloro- benzene (106-46-7)		X							
23B. 3,3-Dichloro- benzidine (91-94-1)		X							
24B, Diethyl Phthalate (84-66-2)		X	-						
25B. Dimethyl Phthalate (131 -11-3)		X					-		
26B. Di-N-Butyl Phthalate (84-74-2)		X							
27B. 2,4-Dinitro- toluene (121-14-2)		X							
28B. 2,6-Dinitro- toluene (606-20-2)		X							
29B. Di-N-Octyl Phthalate (117-84-0)		X							
30B. 1,2-Diphenylhydrazine (as Azoberzene) (122-66-7)		X							
31B. Fluoranthene (206-44-0)		X							
32B. Fluorene (86-73-7)		X							
33B. Hexachloro- benzene (118-74-1)		X							
348. Hexachloro- butadiene (87-68-3)		X						monganis and a second s	
35B. Hexachloro- cyclopentadiene (77-47-4)		X							
36B Hexachioro- ethane (67-72-1)		X							
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)		X							
38B. Isophorone (78-59-1)		X					-		
39B. Naphthalene (91-20-3)		X							
40B. Nitrobenzene (98-95-3)		X							
sodimethylamine (62-75-9)		X							
42B. N-Nitrosodi- N-Propylamine (621-64-7)		X		access access and advances on the debugs					
EPA Form 3510-2C (8-90)	C (8-90)			PAG	PAGE V-7			CONTI	CONTINUE ON REVERSE

CONTINUED TROM THE TROM	2. MARK "X"			3. EFFLUENT			4. UNITS	5. INTAKE (optional)	(optional)
	ث		a. MAXIMUM DAILY VALUE	b. MAXIMUM 30 DAY VALUE (if available)	VALUE c. LONG TERM AVRG. VALUE (if available)			a. LONG TERM AVERAGE VALUE	
CAS NUMBER TEST (If available) REQU	TESTING BELIEVED BEI	BELIEVED ABSENT C	(1) CONCENTRATION (2) MASS	(1) CONCENTRATION	(2) MASS CONCENTRATION (2) MASS	ANALYSES	TRATION b. MASS	(1) CONCENTRATION	(2) MASS ANALYSES
o N	SE/NEUTRAL COMP	OUNDS			وعالم والمعاون والمعا				
43B. N-Nitro- sodiphenylamine		X	Andrew Comment						
44B. Phenanthrene (85-01-8)		X							
45B. Pyrene (129-00-0)		X							
46B. 1,2,4-Tri- chlorobenzene		X							
GC/MS FRACTION - PESTICIDES	STICIDES				one observe the training for the complete contract of the cont		The state of the s		
1P. Aldrin (309-00-2)		X							
2P. α-BHC (319-84-6)		X	paupa dinakana m						
3P. B-BHC (319-85-7)		X							
4P. <i>y</i> -BHC (58-89-9)		X							
5P. 8-BHC (319-86-8)		X					<u> </u>		
6P, Chlordane (57-74-9)		X							
7P. 4,4'-DDT (50-29-3)		X							
8P. 4.4'-DDE (72-55-9)		X							
9P. 4,4'-DDD (72-54-8)		X							
10P. Dieldrin (60-57-1)		X				·		annoughtyr i girld delend	
11P. α-Enosulfan (115-29-7)		X							
12P. ß-Endosulfan (115-29-7)		X							
13P. Endosulfan Sulfate (1031-07-8)		X							
14P, Endrin (72-20-8)		X							
15P. Endrin Aldehyde (7421-93-4)		X							
16P. Heptachlor (76-44-8)		X							
EPA Form 3510-2C (8-90)	(0)	-			PAGE V-8			CON	CONTINUE ON PAGE V-9

				EPA I.	D. NUMBER	EPA I.D. NUMBER (copy from Item 1 of Form 1)	(Form 1)	OUTFALL NUMBER	ER						
CONTINUED FROM PAGE V-8	M PAGE V-	ø		<u></u>				002	0.	nagono ny isto kalendrových					
		2. MARK "X"	33			3, EF	3. EFFLUENT				4. UNITS	TS	5. INTA	5. INTAKE (optional)	
1 POLLUTANT AND		Ď	ď	a. MAXIMUM DAILY VALUE	LY VALUE	b. MAXIMUM 30 DAY VALUE (if available)	NAY VALUE	c. LONG TERM AVRG. VALUE (if available)	I AVRG. ilable)			and the second s	a. LONG TERM AVERAGE VALUE		
CAS NUMBER (if available)	TESTING	BELIEVED PRESENT	BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	CONCENTRATION	2) MASS	CONCENTRATION (2) MASS		d. NO. OF ANALYSES	a. CONCEN-	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION - PESTICIDES (continued)	4 - PESTIC	IDES (contin	ned)												
17P. Heptachlor												TO THE PARTY OF TH			
(1024-57-3)	dy Karlin energy of the constraint		X							, i constante					iggaalee kiden Na
18P, PCB-1242 (53469-21-9)			X												
19P, PCB-1254 (11097-69-1)			×									and the control of th			
20P. PCB-1221 (11104-28-2)			X												· · · · · · · · · · · · · · · · · · ·
21P, PCB-1232 (11141-16-5)	emberoprovida propri i transportation del propri del pr	tan-manusus de separate de la manusus de la	X									·			
22P, PCB-1248 (12672-29-6)			X			-									
23P, PCB-1260 (11096-82-5)			X	-											
24P, PCB-1016 (12674-11-2)			X			·									
25P. Toxaphene (8001-35-2)			X												
							1000								

EPA Form 3510-2C (8-90)

PAGE V-9

2014-00657203372

2013 DEC 20 AM 10: 40

Antidegradation Addendum

Public Notification Form Receipt of Application for Antidegradation Project

District Contact: Tim Fulks	Date: 12/26/13	
Name of Project: Vail South Refuse Disposal Area		
Mailing Address: Barry Alexin	Location: 73888 Skullfork Road	
95 North Libson Street	Freeport, OH, 43973	***************************************
Carrollton, Ohio 44615	1 (Ceport, Ori, 4097)	***************************************
		eliconamica de la companio de la co
Township and County where the project is located:	Freeport Township, Harrison County, & Londonberry Guernsey County.	Twp.
Type of permit application (check all that apply):		
NPDES Permit No.: 0IL00163	PTI Permit No.: 968812	
Renewal	X New source (no existing plant)	
Modification	Modification of exist, treatment (e	expansio
Initial (existing discharger)	Sewerage system (i.e., sewers, p	
X Initial (new discharger)	stations, etc.) in or near stream b	
- The state of the		
Date complete Antidegradation application receiform):	ved (submit copy of addendum with 12/20//3	
point. The discharge is in the Tuscarawas River Baseline. Stream categorization: X Limited quality water General high quality water Superior high quality water * Stream use designation (per the WQS):	Kull Fork is less than two miles downstream of the dischards in - 05040001. Outstanding state water * Outstanding national resource water* Lake Erie * Hearing Required LRW MWH CWH WWH EWH SSH	rge
Do any exclusions apply or did they request a waiver?		
Please specify which exclusion applies or waiver re	Yes X No quested:	
Any known controversy or public concerns with the Please explain:	project? Known interested parties? (Supply addresses i	fso).
No known controversy with this project		
Project Description: Installation of a coal refuse disposal facility for disposal facility facility for disposal facility for disposal facility facility facility for disposal facility facilit	osal of course and fine refuse primarily from Rosebud's V	/ail



Page 1

DIVISION OF SURFACE WATER

B

7003 DEC 20 AM 10: 40

Antidegradation Addendum

In accordance with Ohio Administrative Code 3745-1-05 (Antidegradation), additional information may be required to complete your application for a permit to install or NPDES permit. For any application that may result in an increase in the level of pollutants being discharged (NPDES and/or PTI)or for which there might be activity taking place within a stream bed, the processing of the permit(s) may be required to go through procedures as outlined in the antidegradation rule. The rule outlines procedures for public notification and participation as well as procedures pertaining to the levels of review necessary. The levels of review necessary depend on the degradation being considered/requested. The rule also outlines exclusions from portions of the application and review requirements and waivers that the Director may grant as specified in Section 3745-1-05(D) of the rule. Please complete the following questions. The answers provided will allow the Ohio EPA to determine if additional All projects that require both an NPDES and PTI should submit information is needed. both applications simultaneously to avoid going through the antidegradation process separately for each permit.

•	Applicant: Rosebud Mining Company
	Facility Owner: Rosebud Mining Comapny
	Facility Location (city and county): Freeport; Harrison/Guernsey Counties
	Application or Plans Prepared By: Bair, Goodie and Associates, Inc.
	Project Name: Vail South Coal Waste Disposal Facility
	NPDES Permit Number (if applicable):
•	Antidegradation Applicability
	Is the application for? (check as many as apply):
	Application with no direct surface water discharge (Projects that do not meet the applicability section of 3745-1-05(B)1, i.e., on-site disposal, extensions of sanitary sewers, spray irrigation, indirect discharger to POTW, etc.). (Complete Section E)
	Renewal NPDES application or PTI application with no requested increase in loading of currently permitted pollutants. (Complete Section E, Do not complete Sections C or D).
	PTI and NPDES application for a new wastewater treatment works that will discharge to a surface water. (Complete Sections C and E)
	An expansion/modification of an existing wastewater treatment works discharging to a surface water that will result in any of the following (PTI and NPDES): (Complete Sections C and E) • addition of any pollutant not currently in the discharge, or • an increase in mass or concentration of any pollutant currently in the discharge, or • an increase in any current pollutant limitation in terms of mass or concentration.

				Page 2
	Alement Physical Systems and	-	PTI that involves placement of fill or installation of any proof a sewerage system (i.e., sanitary sewers, pump stations, etc.) within 150 feet of a stream bed. Please provide information of the stream evaluation addendum (i.e., number of crossings, fill placement, etc.) and complete Section E.	WWTP,
	X	•	Initial NPDES permit for an existing treatment works wastewater discharge prior to October 1, 1996. (Complete Sec and E)	
	#Ported Wingsouth Secret Secret Secret		Renewal NPDES permit or modification to an effective NPDES that will result in any of the following: (Complete Sections a new permit limitation for a pollutant that previously limitation, or an increase in any mass or concentration limitation pollutant that currently has a limitation.	C and E) had no
C.	Antid	egrada	tion Information	
	1.		the PTI and/or NPDES permit application meet an exclusion as o C 3745-1-05(D)(1) of the Antidegradation rule?	utlined
		***************************************	Yes (Complete Question C.2)	
			No (Complete Questions C.3 and C.4)	
	2.		rojects that would be eligible for exclusions provide the fol mation:	lowing
		a.	Provide justification for the exclusion.	
		b.	Identify the substances to be discharged, including the amoregulated pollutants to be discharged in terms of masconcentration.	
		Ċ.	A description of any construction work, fill or other structuoccur or be placed in or near a stream bed.	ires to
	3.		ou requesting a waiver as outlined by OAC 3745-1-05(D)(2-7) egradation rule?	of the
		***************************************	No	
		MANUSCRIPT CONTRACTOR OF THE PROPERTY OF THE P	Yes	
		submit waive	u wish to pursue one of the waivers, please identify the waiver the necessary information to support the request. Depending requested, the information required under question C.4 red to complete the application.	on the
	4 :	accomposition non-demittigation activities	all projects that do <u>not</u> qualify for an exclusion a report pany this application evaluating the preferred design altern egradation alternatives, minimal degradation alternatives ative techniques/measures for the design and operation of ity. The information outlined below should be addressed in the If a waiver is requested, this section is still required.	ative, and of the
		a.	Describe the availability, cost effectiveness and tecfeasibility of connecting to existing central or regional collection and treatment facilities, including long range plants.	sewage

Page 3

sewer service outlined in state or local water quality management planning documents and applicable facility planning documents.

- b. List and describe all government and/or privately sponsored conservation projects that may have been or will be specifically targeted to improve water quality or enhance recreational opportunities on the affected water resource.
- c. Provide a brief description below of all treatment/disposal alternatives evaluated for this application and their respective operational and maintenance needs. (If additional space is needed please attach additional sheets to the end of this addendum).

Preferred design alternative:

Non-degradation alternative(s):

Minimal degradation alternative(s):

Mitigative technique/measure(s):

At a minimum, the following information must be included in the report for each alternative evaluated.

- d. Outline of the treatment/disposal system evaluated, including the costs associated with the equipment, installation, and continued operation and maintenance.
- e. Identify the substances to be discharged, including the amount of regulated pollutants to be discharged in terms of mass and concentration.
- f. Describe the reliability of the treatment/disposal system, including but not limited to the possibility of recurring operation and maintenance difficulties that would lead to increased degradation.
- g. Describe any impacts to human health and the overall quality and value of the water resource.
- h. Describe and provide an estimate of the important social and economic benefits to be realized through this proposed project. Include the number and types of jobs created and tax revenues generated.
- i. Describe environmental benefits to be realized through this proposed project.
- j. Describe and provide an estimate of the social and economic benefits that may be lost as a result of this project. Include the impacts on commercial and recreational use of the water resource.

Page 4

- k. Describe the environmental benefits lost as a result of this project. Include the impact on the aquatic life, wildlife, threatened or endangered species.
- 1. A description of any construction work, fill or other structures to occur or be placed in or near a stream bed.
- m. Provide any other information that may be useful in evaluating this application.

D.	Discharge	Information

DISCH	arge information
1.	For treatment/disposal systems constructed pursuant to a previously issued Ohio EPA PTI, provide the following information:
	PTI Number PTI Issuance Date Initial Date of Discharge
2	Has the appropriate NPDES permit application form been submitted including representative effluent data?
	Yes (go to E)
	No (see below)
	If no, submit the information as applicable under a OR b as follows:
	a. For entities discharging process wastewater attach a completed 2C form.
	b. For entities discharging wastewater of domestic origin attach the results of at least one chemical analysis of the wastestream for all pollutants for which authorization to discharge is being requested

E. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete.

wastewaters being discharged.

This section must be signed by the same responsible person who signed the accompanying permit application or certification as per 40 CFR 122.22.

and a measurement of the daily volume (gallons per day) of

Signature 2013 Olefur Date 12-16-2013

h:revised.adm June 30, 1997

U.E.P.A. S.E.D.O. 2013 DEC 20 AM 10: 40

Rosebud Mining Company's (Rosebud) Vail South Coal Waste Disposal Facility (Vail South) is Located in Freeport Township and Londonderry Township of Harrison County and Guernsey County respectively. The proposed facility is an approximately 96.0 acre site that will be used for placement of coal waste. The proposed facility will have one (1) outfall that will discharge to an Unnamed Tributary to Skull Fork Creek.

This report addresses Section C Item 4 of the Antidegradation Addendum, which is required in accordance with Ohio Administrative Code 3745-1-05. The following sections respond to questions C.4.a through C.4.m of the Antidegradation Addendum to the NPDES Permit Application, and provide information and analysis on the Preferred Design Alternative, Non-Degradation Alternative, Minimal Degradation Alternative and Mitigation Techniques for the Vail South Facility.

The applicant is prepared to start work with the most economically and technically feasible alternative, which is the Minimal Alternative.

4.a. Describe the availability, cost effectiveness and technical feasibility of connecting to existing central or regional sewage collection and treatment facilities, including long range plans for sewer service outlined in state or local water quality management planning documents and applicable facility planning documents.

There is no public sewage collection facility in the Vail South facility site area. The nearest public sewage treatment facilities (POTW) are Freeport and/or Cambridge. The distance to either of these facilities would be cost prohibitive for the pipeline that would be required to transport the effluent to the POTW.

There are no known long range plans to provide sewer service to the area of the Vail South facility.

4.b. List and describe all government and/or privately sponsored conservation projects that may have been or will be specifically targeted to improve water quality or enhance recreational opportunities on the affected water resource.

There are no known conservation projects or groups, either private or government, that will target this facility to improve water quality or enhance recreational opportunities.

4.c. Provide a brief description below of all treatment/disposal alternatives evaluated for this application and their respective operational and maintenance needs.

Preferred Design Alternative

GOB/Slurry Disposal - Traditional Means of Refuse Disposal

Dam constructed using coarse coal refuse.

Slurry pumped in behind dam.

Minimal Degradation Alternative

Dry Stack/Side Fill – Non-Traditional Means of Refuse Disposal Discharge surface water runoff.

Discharge to Skull Fork Tributary to Stillwater Creek.

Water treated prior to discharge.

Non-Degradation Alternative

Underground Disposal No discharge.

PREFERRED DESIGN ALTERNATIVE

4.d. Outline of the treatment/disposal system evaluated, including the costs associated with the equipment, installation, and continued operation and maintenance.

GOB/Slurry Disposal method consists of constructing a dam using coarse coal refuse and pumping a slurry of fine coal refuse behind the constructed dam. Neither the coarse or fine coal refuse would be de-watered at the Coal Preparation Plant.

The refuse facility will be constructed, prior to coal refuse placement, utilizing a two (2) foot thick compacted clay liner. Once the liner is in place, the coal refuse will be placed in small segments to keep the disturbed area to a minimum aerial extent. Once the fill achieves design elevation, the refuse material will be covered with a clay liner and resoiling materials.

Costs of Water Pollution Controls

Water Pollution Control	Preferred Alternative	Minimal Alternative	Non-Degradation Alternative
Sumps (@ \$1,000 each)	\$2,000	\$2,000	\$0
Diversion Ditches @ \$8.00/linear foot	\$103,344	\$103,344	\$0
Sediment Ponds @ \$10,000 each)	\$20,000	\$20,000	\$0
Reclamation of 96.0 acres @ \$2,500/acres	\$240,000	\$240,000	\$0
Straw bales/silt fence (Lump Sum of \$5,000)	\$5,000	\$5,000	\$0
Total Cost	\$370,344	\$370,344	\$0

This is not a viable method due to the lack of space, no land owner consent and it is environmentally un-friendly.

4.e. Identify the substances to be discharged, including the amount of regulated pollutants to be discharged in terms of mass and concentration.

The discharge from this facility will be similar to that of the Rosebud Mining Company D-2177 facility. One time samples were taken at the D-2177 facility. The results from that sampling are provided as an attachment.

4.f. Describe the reliability of the treatment/disposal system, including but not limited to the possibility of recurring operation and maintenance difficulties that would lead to increased degradation.

The reliability of all of the systems included in the Preferred Design Alternative is anticipated to be high.

The control of surface water runoff will be accomplished through the runoff being diverted to sediment ponds by use of diversion ditches. Once in the sediment ponds, the runoff will flow through the ponds, which will be in series, and may include curtains in the ponds, if necessary, to slow the flow of water to allow for a longer settling time. The runoff will also be treated, if necessary, before release to the surface water system.

Intermediate caps will also be put in place to minimize the exposure of the coal refuse to the elements.

Reclamation will be done contemporaneously to minimize the acreage of exposed coal refuse. The contemporaneous reclamation will reduce the exposure of runoff to the coal refuse.

All of these measures will contribute to the effective operation of the facility and minimize the degradation of the discharge.

4.g. Describe any impacts to human health and the overall quality and value of the water resource.

No adverse impacts to human health are anticipated.

The discharged water will meet applicable water quality standards protective of human health and aquatic life. Through the use of sediment ponds and chemical treatment, if necessary, the water discharged will have minimal impact on the receiving stream, streambed and aquatic life.

4.h. Describe and provide an estimate of the important social and economic benefits to be realized through this proposed project. Include the number and types of jobs created and tax revenues generated.

The economic benefits to be realized by the permitting of this facility are very significant. Higher paying jobs will be provided for an extended period of time, directly and indirectly. The

direct jobs will create additional jobs in ancillary businesses within the local area. The financial health of Rosebud Mining Company will also be enhanced by continual permitting and mining.

The revenue generated by this coal waste disposal facility will be directly invested in the local and state economies for salaries, fuel, equipment, equipment maintenance and materials. In addition the employees employed at this facility will invest in local restaurants, gas stations, mechanics shops, hardware stores, grocery stores, car dealerships, and housing.

The social benefits of this project will also be significant. The increased tax revenues as a result of the coal waste disposal facility relate to better schools, roads, quality of life, etc. Maintaining and increasing the use of coal as the fuel of choice will provide the lowest possible energy cost to consumers and decrease our dependence on foreign sources of fuel. For the reasons stated above, coal is essential as a component to any national energy policy and this operation should be given a high priority for permit issuance.

Table 1: Social and Economical Benefits

Taxes paid by Rosebud Mining Company	Preferred Degradation	Minimal Degradation	Non- Degradation
Coal Value	\$1.2 Billion	\$1.2 Billion	\$0
\$ 0.55/ton Federal Excise Taxes (black lung and other federal programs)	\$15,400,000	\$15,400,000	\$0
\$0.35/ton Abandoned Mine Lands Fund	\$9,800,000	\$9,800,000	\$0
\$0.25/ton State of Ohio Taxes for Various programs	\$7,000,000	\$7,000,000	\$0
Total Taxes Paid	\$32,200,000	\$32,200,000	\$0

In addition to the jobs at the coal waste disposal facility, it will also support many other jobs such as, coal miners, welders, mechanics, truck drivers, local businesses, engineers, and consultants. In 2010 the average annual wage of a mine worker was \$73,000 compared to the average median household income in Harrison County of \$30,308 (city-data.com). Currently the mining industry makes up approximately 4% of Harrison County jobs. This percentage will increase with the opening of this facility. By opening this facility in Guernsey and Harrison Counties, not only will the quality of life for the workers improve, but the workers associated with the mining industry will also greatly benefit.

4.i. Describe environmental benefits to be realized through this proposed project.

Generally, the project will be neutral with regard to environmental benefits. However, an anticipated environmental benefit realized through this project will be the reclamation of an existing area of pre-law coal waste disposal. The reclamation of this existing area will help to improve the water quality of the area that receives runoff from this area.

4.j. Describe and provide an estimate of the social and economic benefits that may be lost as a result of this project. Include the impacts on commercial and recreational use of the water resource.

No commercial, recreational, or other uses of the water will be gained or lost as a result of the completion of this project. No permanent impacts on aesthetics and or other human use and enjoyment will be the result of the completion of the project under the Preferred Design Alternative.

4.k. Describe the environmental benefits lost as a result of this project. Include the impact on the aquatic life, wildlife, threatened or endangered species.

Under the Preferred Design Alternative the coal waste disposal would consist of disposing of the coal waste in a slurry form. This alternative would include permanent loss of some wetlands and stream channel. The stream channel lost would be replaced through the reclamation plan. Also, temporary loss of food and shelter for wildlife, as removal of vegetation occurs during construction of diversions and excavation of clay.

4.l. A description of any construction work, fill or other structures to occur or be placed in or near a stream bed.

The impacts will be minimal. Ponds 001 and 002 will be cleaned out and used as the sediment ponds for the facility. Pond 001 will discharge into Pond 002 which will discharge to an unnamed tributary to Skull Fork Creek. The cleaning out of Ponds 001 and 002 will impact Wetlands W-H, W-J, W-K and W-L. All water discharged from the site will meet all NPDES Effluent Limitations outlined in the permit. Stream S-18 will be filled with the placement of coal waste. Wetlands W-R, W-S and W-T will be impacted by the placement of coal waste also.

4.m. Provide any other information that may be useful in evaluating this application. No additional relevant information is available for this alternative.

MINIMAL DEGRADATION ALTERNATIVE

4.d. Outline of the treatment/disposal system evaluated, including the costs associated with the equipment, installation, and continued operation and maintenance.

Dry Stack/Side Fill uses dry refuse material. This dry refuse material will be the result of fine coal refuse being de-watered within the Coal Preparation Plant using filter presses or other equivalent means. Coarse coal refuse will also be de-watered at the plant site.

The dry refuse material will be transported to the coal refuse site where it will be placed in the refuse facility.

The refuse facility will be constructed, prior to coal refuse placement, utilizing a two (2) foot

thick compacted clay liner. Once the liner is in place, the coal refuse will be placed in lifts that are two (2) feet thick and immediately compacted. Refuse will be placed in small segments to keep the disturbed area to a minimum aerial extent. Once the fill achieves design elevation, the refuse material will be covered with a clay liner and resoiling materials.

Costs of Water Pollution Controls

Water Pollution Control	Preferred Alternative	Minimal Alternative	Non-Degradation Alternative
Sumps (@ \$1,000 each)	\$2,000	\$2,000	\$0
Diversion Ditches @ \$8.00/linear foot	\$103,344	\$103,344	\$0
Sediment Ponds @ \$10,000 each)	\$20,000	\$20,000	\$0
Reclamation of 96.0 acres @ \$2,500/acres	\$240,000	\$240,000	\$0
Straw bales/silt fence (Lump Sum of \$5,000)	\$5,000	\$5,000	\$0
Total Cost	\$370,344	\$370,344	\$0

4.e. Identify the substances to be discharged, including the amount of regulated pollutants to be discharged in terms of mass and concentration.

The discharge from this facility will be similar to that of the Rosebud Mining Company D-2177 facility. One time samples were taken at the D-2177 facility. The results from that sampling are provided as an attachment.

4.f. Describe the reliability of the treatment/disposal system, including but not limited to the possibility of recurring operation and maintenance difficulties that would lead to increased degradation.

The reliability of all of the systems included in the Minimal Degradation Alternative is anticipated to be high.

The treatment of surface water runoff will be accomplished through the runoff being diverted to sediment ponds by use of diversion ditches. Once in the sediment ponds, the runoff will flow through the ponds, which will be in series, and may include curtains in the ponds, if necessary, to slow the flow of water to allow for a longer settling time. The runoff will also be treated, if necessary, before release to the surface water system.

Intermediate caps will be put in place to minimize the exposure of the coal refuse to the elements.

Reclamation will be done contemporaneously to minimize the acreage of exposed coal refuse. The contemporaneous reclamation will also reduce the exposure of runoff to the coal refuse.

All of these measures will contribute to the effective operation of the facility and minimize the degradation of the discharge.

4.g. Describe any impacts to human health and the overall quality and value of the water resource.

No adverse impacts to human health are anticipated.

The discharged water will meet applicable water quality standards protective of human health and aquatic life. Through the use of sediment ponds and chemical treatment, if necessary, the water discharged will have minimal impact on the receiving stream, streambed and aquatic life.

4.h. Describe and provide an estimate of the important social and economic benefits to be realized through this proposed project. Include the number and types of jobs created and tax revenues generated.

The economic benefits to be realized by the permitting of this facility are very significant. Higher paying jobs will be provided for an extended period of time, directly and indirectly. The direct jobs will create additional jobs in ancillary businesses within the local area. The financial health of Rosebud Mining Company will also be enhanced by continual permitting and mining.

The revenue generated by this coal waste disposal facility will be directly invested in the local and state economies for salaries, fuel, equipment, equipment maintenance and materials. In addition the employees employed at this facility will invest in local restaurants, gas stations, mechanics shops, hardware stores, grocery stores, car dealerships, and housing.

The social benefits of this project will also be significant. The increased tax revenues as a result of the coal waste disposal facility relate to better schools, roads, quality of life, etc. Maintaining and increasing the use of coal as the fuel of choice will provide the lowest possible energy cost to consumers and decrease our dependence on foreign sources of fuel. For the reasons stated above, coal is essential as a component to any national energy policy and this operation should be given a high priority for permit issuance.

Table 1: Social and Economical Benefits

Taxes paid by Rosebud Mining Company	Preferred Degradation	Minimal Degradation	Non- Degradation
Coal Value	\$1.2 Billion	\$1.2 Billion	\$0
\$ 0.55/ton Federal Excise Taxes (black lung and other federal programs)	\$15,400,000	\$15,400,000	\$0
\$0.35/ton Abandoned Mine Lands Fund	\$9,800,000	\$9,800,000	\$0
\$0.25/ton State of Ohio Taxes for Various programs	\$7,000,000	\$7,000,000	\$0
Total Taxes Paid	\$32,200,000	\$32,200,000	\$0

In addition to the jobs at the coal waste disposal facility, it will also support many other jobs such as, coal miners, welders, mechanics, truck drivers, local businesses, engineers, and consultants. In 2010 the average annual wage of a mine worker was \$73,000 compared to the average median household income in Harrison County of \$30,308 (city-data.com). Currently the mining industry makes up approximately 4% of Harrison County jobs. This percentage will increase with the opening of this facility. By opening this facility in Guernsey and Harrison Counties, not only will the quality of life for the workers improve, but the workers associated with the mining industry will also greatly benefit.

4.i. Describe environmental benefits to be realized through this proposed project.

Generally, the project will be neutral with regard to environmental benefits. However, an anticipated environmental benefit realized through this project will be the reclamation of an existing area of pre-law coal waste disposal. The reclamation of this existing area will help to improve the water quality of the area that receives runoff from this area.

4.j. Describe and provide an estimate of the social and economic benefits that may be lost as a result of this project. Include the impacts on commercial and recreational use of the water resource.

No commercial, recreational, or other uses of the water will be gained or lost as a result of the completion of this project. No permanent impacts on aesthetics and or other human use and enjoyment will be the result of the completion of the project under the Minimal Degradation Alternative.

4.k. Describe the environmental benefits lost as a result of this project. Include the impact on the aquatic life, wildlife, threatened or endangered species.

Under the Minimal Degradation Alternative the coal waste disposal would follow the plan laid out in the ODNR-DMRM application. This alternative would include permanent loss of some wetlands and stream channel. The stream channel lost would be replaced through the reclamation plan. Also, temporary loss of food and shelter for wildlife, as removal of vegetation occurs

during construction of diversions and excavation of clay.

4.l. A description of any construction work, fill or other structures to occur or be placed in or near a stream bed.

The impacts will be minimal. Ponds 001 and 002 will be cleaned out and used as the sediment ponds for the facility. Pond 001 will discharge into Pond 002 which will discharge to an unnamed tributary to Skull Fork Creek. The cleaning out of Ponds 001 and 002 will impact Wetlands W-H, W-J, W-K and W-L. All water discharged from the site will meet all NPDES Effluent Limitations outlined in the permit. Stream S-18 will be filled with the placement of coal waste. Wetlands W-R, W-S and W-T will be impacted by the placement of coal waste also.

4.m. Provide any other information that may be useful in evaluating this application.

The Coal Waste Disposal Plan that is part of the Ohio Department of Natural Resources Application, describes the plan and techniques that will be used at this facility.

NON-DEGRADATION ALTERNATIVE

4.d. Outline of the treatment/disposal system evaluated, including the costs associated with the equipment, installation, and continued operation and maintenance.

Underground Disposal method consists of placing coarse and fine coal refuse in underground works that have been completely mined. This is not a viable option as there are MSHA Safety constraints and there are no underground works available.

Costs of Water Pollution Controls

Water Pollution Control	Preferred Alternative	Minimal Alternative	Non-Degradation Alternative
Sumps (@ \$1,000 each)	\$2,000	\$2,000	\$0
Diversion Ditches @ \$8.00/linear foot	\$103,344	\$103,344	\$0
Sediment Ponds @ \$10,000 each)	\$20,000	\$20,000	\$0
Reclamation of 96.0 acres @ \$2,500/acres	\$240,000	\$240,000	\$0
Straw bales/silt fence (Lump Sum of \$5,000)	\$5,000	\$5,000	\$0
Total Cost	\$370,344	\$370,344	\$0

4.e. Identify the substances to be discharged, including the amount of regulated pollutants to be discharged in terms of mass and concentration.

This alternative will not have a discharge associated with it.

4.f. Describe the reliability of the treatment/disposal system, including but not limited to the possibility of recurring operation and maintenance difficulties that would lead to increased degradation.

The reliability, operation and maintenance of the systems included in this alternative generally would be similar to the Minimal Degradation. However, Rosebud treatment ponds would not be necessary as there would be no discharges from this alternative.

4.g. Describe any impacts to human health and the overall quality and value of the water resource.

Impacts to human health will be minimal with this alternative. The quality and value of water resources will not be impacted either.

4.h. Describe and provide an estimate of the important social and economic benefits to be realized through this proposed project. Include the number and types of jobs created and tax revenues generated.

The social and economic benefits realized through this alternative would essentially be the same as those realized through the Minimal Degradation.

4.i. Describe environmental benefits to be realized through this proposed project.

This alternative would not have a discharge. This would benefit the streams in the area as they would not be receiving the discharge from a sediment pond(s). By not receiving a discharge, the streams would not see a degradation of water quality that could potentially impact wildlife.

4.j. Describe and provide an estimate of the social and economic benefits that may be lost as a result of this project. Include the impacts on commercial and recreational use of the water resource.

By using this alternative there should be no loss of economic or social benefits to the area.

4.k. Describe the environmental benefits lost as a result of this project. Include the impact on the aquatic life, wildlife, threatened or endangered species.

There would be no loss of environmental benefits or impacts on aquatic life, wildlife, threatened or endangered species with the non-degradation alternative.

4.1. A description of any construction work, fill or other structures to occur or be placed in or near a stream bed.

The non-degradation alternative involves the disposal of coal waste underground. This method would not involve any construction work, fill or other work or structures to occur or be placed in or near any stream beds.

4.m. Provide any other information that may be useful in evaluating this application. The old disposal area will not be reclaimed as part of the Non-Degradation Alternative.

MITIGATIVE TECHNIQUES AND MEASURES

The mine operator will reclaim the project area using the best management practices available. By doing this the project will be an asset to the Stillwater Creek Watershed.

<u>Proposed Construction Techniques</u>—The stream reconstruction will be achieved by leaving the diversion ditch that will run along the west side of the disposal area. This diversion will be used to divert runoff to the sediment ponds during the life of the permit. Once the facility is reclaimed the diversion ditch will remain in place to replace the stream that will be filled in.

After permanent vegetation is established on the reclaimed areas, sediment loads on runoff should approximate pre-coal waste disposal levels, which would result in satisfactory water quality that is equal to or better than pre-coal waste disposal water quality. Therefore, post-coal waste disposal surface water quantity should approximate quantities that existed prior to the placement of coal waste in the area.

Planting — Planting will take place in the first growing season following topsoil and subsoil replacement. Disturbed areas, such as side slopes, will be seeded with rapidly germinating annual cover mixture to provide erosion control and prevent the establishment of undesirable species. Value to wildlife was also considered when preparing the plant species list. Trees will not be planted on the area of coal waste disposal during reclamation. If any trees are planted, they will be planted along the perimeter of the permit area. This will ensure that the capping system will not be damaged by tree roots. This will maintain the integrity of the capping and liner system of the disposal facility. If trees are planted along the perimeter of the permit area, at least four (4) tree species will be re-established. The species planted will be dependant on what is available from the nurseries at the time of planting.

CONCLUSION

A permit requesting to temporarily lower the water quality on a coal waste disposal facility project has been prepared by Bair, Goodie, and Associates, Inc. on behalf of Rosebud Mining Company. This document provides information to address requirements under the Antidegradation Rule from the Ohio EPA.

Three alternatives were proposed for this project. The **Preferred and Minimal Alternatives** will both allow for the greatest amount of coal waste that is disposed of, but the **Minimal Degradation** option will result in less impacts to the waters of the U.S. The **Non-Degradation Alternative** option will result in the abandonment of the project because of the high costs associated with this alternative.

The applicant is prepared to start work with the most economically and technically feasible alternative, which is the **Minimal Alternative**.

The Minimal Alternative will allow the applicant to maximize the amount of coal refuse that can be placed in the facility over the life of the permit. This will allow the applicant to maintain the facility in a manner that will be optimal for the protection of the environment at a cost that is not prohibitive to the applicant. This will also help maintain the integrity of the current land use of surrounding land, water quality, habitat of wildlife and future land uses. The future land uses will be consistent with the existing land uses that surround the site. This will ensure that the wishes of the property owner will be acknowledged and met.

2014-00657203372

Rosebud Mining Company

Vail South Coal Refuse Disposal Facility

Attachment to Antidegradation Addendum

December 9, 2013



Ream and Haager Laboratory, Inc.

P.O. Box 706, 179 West Broadway

Dover, OH 44622

TEL: (330) 343-3711

FAX: (330) 343-9858

2013 DEC 20 AM 10: 40

Email: rhlab@rhlab.us

Ohio EPA Chemical Certification # 4162 Ohio EPA Bacteria Certification # 893

Final Report

Report Date: 9/18/2013

Report Number: 14087-0

Chain of Custody #: 132320

Project Name: D-2177

- Certificate of Analysis - for

ROSEBUD MINING CO. 95 NORTH LISBON STREET CARROLLTON, OH 44615

Lab ID: 13091333

Sample Type: Wastewater

Your Sample ID: D-15

Date Sampled: 9/16/2013 8:00:00AM

Date Received: 9/16/2013

rour ourry	DIE ID. D IO		001				
Method	Analyte	Result	Units	MDL/PQL	Analysis Date	Analyst	
EPA 335.4	Cyanide	<0.02	mg/L	0.02	9/16/13	CC	
EPA_420.4	Total Phenolics	<0.05	mg/L	0.05	9/17/13	WG	
EPA_245.1	Mercury	<0.00020	mg/L	0.0002	9/17/13	WG	
SM20th_2320B	Alkalinity as CaCO3	157	mg/L	1. A	9/18/13	WG	
EPA_200.7	Aluminum	1.29	mg/L	0.01	9/17/13	СС	
	Antimony	<0.01	mg/L	0.01	9/17/13	CC	
	Arsenic	<0.01	mg/L	0.01	9/17/13	CC	
	Beryllium	<0.01	mg/L	0.01	9/17/13	CC	
	Cadmium	<0.01	mg/L	0.01	9/17/13	CC	
	Calcium	25.4	mg/L	0.01	9/17/13	cc	
	Chromium	<0.01	mg/L	0.01	9/17/13	CC	
	Copper	0.01	mg/L	0.01	9/17/13	cc	
	Nickel	<0.01	mg/L	0.01	9/17/13	CC	
	Potassium	12.0	mg/L	0.01	9/17/13	CC	
	Selenium	<0.01	mg/L	0.01	9/17/13	CC	
	Silver	<0.005	mg/L	0.005	9/17/13	CC	
	Sodium	213	mg/L	0.01	9/17/13	СС	
	Thallium	<0.01	mg/L	0.01	9/17/13	cc	
	Zinc	<0.01	mg/L	0.01	9/17/13	CC	

Client:

ROSEBUD MINING CO.

Rosebud Mining Company

Vail South Coal Refuse Disposal Facility

Attachment to Antidegradation Addendum

December 9, 2013

Final Report

Report Date: 9/18/2013

Report Number: 14087-0

Lab ID: 13091334

Sample Type: Wastewater

Your Sample ID: D-16

Date Sampled: 9/16/2013 9:00:00AM

Date Received: 9/16/2013

Collection: GRAB

Method	Analyte	Result	Units	MDL/PQL	Analysis Date	Analyst
EPA 335.4	Cyanide	0.03	mg/L	0.02	9/16/13	СС
EPA_420.4	Total Phenolics	<0.05	mg/L	0.05	9/17/13	WG
EPA_245.1	Mercury	<0.00020	mg/L	0.0002	9/17/13	WG
SM20th_2320B	Alkalinity as CaCO3	156	mg/L	1	9/18/13	WG
EPA_200.7	Aluminum	0.08	mg/L	0.01	9/17/13	CC
	Antimony:	<0.01	mg/L	0.01	9/17/13	CC
	Arsenic	<0.01	mg/L	0.01	9/17/13	CC
	Beryllium	<0.01	mg/L	0.01	9/17/13	CC
	Cadmium	<0.01	mg/L	0.01	9/17/13	CC
	Calcium	43.1	mg/L	0.01	9/17/13	CC
	Chromium	<0.01	mg/L	0.01	9/17/13	CC
	Copper	<0.01	mg/L	0.01	9/17/13	CC
	Nickel	<0.01	mg/L	0.01	9/17/13	СС
	Potassium	3.29	mg/L	0.01	9/17/13	CC
	Selenium	<0.01	mg/L	0.01	9/17/13	CC
	Silver	<0.005	mg/L	0.005	9/17/13	CC
	Sodium	15.1	mg/L	0.01	9/17/13	CC
	Thallium	<0.01	mg/L	0.01	9/17/13	CC
	Zinc	<0.01	mg/L	0.01	9/17/13	CC

Lab ID: 13091335

Sample Type: Wastewater

Your Sample ID: CULVERT

Date Sampled: 9/16/2013 10:00:00AM

Date Received: 9/16/2013

Method	Analyte	Result	Units	MDL/PQL	Analysis Date	Analyst
EPA 335.4	Cyanide	0.02	mg/L	0.02	9/16/13	CC
EPA_420.4	Total Phenolics	<0.05	mg/L	0.05	9/17/13	WG
EPA_245.1	Mercury	<0.00020	mg/L	0.0002	9/17/13	WG
SM20th_2320B	Alkalinity as CaCO3	254	mg/L	1	9/18/13	WG
EPA_200.7	Aluminum	0.22	mg/L	0.01	9/17/13	CC

Rosebud Mining Company MINING CO.

Vail South Coal Refuse Disposal Facility

Attachment to Antidegradation Addendum

December 9, 2013

Final Report

Report Date: 9/18/2013

Report Number: 14087-0

Lab ID: 13091335

Sample Type: Wastewater

Your Sample ID: CULVERT

Date Sampled: 9/16/2013 10:00:00AM

Date Received: 9/16/2013

Collection: GRAB

					Analysis	
Method	Analyte	Result	Units	MDL/PQL	Date	Analyst
EPA_200.7	Antimony	<0.01	mg/L	0.01	9/17/13	CC
	Arsenic	<0.01	mg/L	0.01	9/17/13	CC
	Beryllium	<0.01	mg/L	0.01	9/17/13	CC
	Cadmium	<0.01	mg/L	0.01	9/17/13	CC
	Calcium	66.2	mg/L	0.01	9/17/13	CC
	Chromium	<0.01	mg/L	0.01	9/17/13	CC
	Copper	0.01	mg/L	0.01	9/17/13	CC
	Nickel	<0.01	mg/L	0.01	9/17/13	cc
	Potassium	7.34	mg/L	0.01	9/17/13	CC
	Selenium	<0.01	mg/L	0.01	9/17/13	CC-
	Silver	<0.005	mg/L	0.005	9/17/13	CC
	Sodium	86.9	mg/L	0.01	9/17/13	cc
	Thallium	<0.01	mg/L	0.01	9/17/13	cc
	Zinc	<0.01	mg/L	0.01	9/17/13	CC

Lab ID: 13091336

Sample Type: Wastewater

Your Sample ID: U-15

Date Sampled: 9/16/2013 11:00:00AM

Date Received: 9/16/2013

Method	Analyte	Result	Units	MDL/PQL	Analysis Date	Analyst
EPA 335:4	Cyanide	0.02	mg/L	0.02	9/16/13	CC
EPA_420.4	Total Phenolics	<0.05	mg/L	0.05	9/17/13	WG
EPA_245.1	Mercury	<0.00020	mg/L	0.0002	9/17/13	WG
SM20th_2320B	Alkalinity as CaCO3	83	mg/L	1	9/18/13	WG:
EPA_200.7	Aluminum	0.84	mg/L	0.01	9/17/13	CC
	Antimony	<0.01	mg/L	0.01	9/17/13	cc
	Arsenic	<0.01	mg/L	0.01	9/17/13	CC
	Beryllium	<0.01	mg/L	0.01	9/17/13	CC.
	Cadmium	<0.01	mg/L	0.01	9/17/13	СС
	Calcium	16.8	mg/L	0.01	9/17/13	CC.
	Chromium	<0.01	mg/L	0.01	9/17/13	CC.
	Copper	0.01	mg/L	0.01	9/17/13	CC

Client: ROSEBUD MINING CO. ROSEBUD MINING CO.

Vail South Coal Refuse Disposal Facility

Attachment to Antidegradation Addendum

December 9, 2013

Final Report

Report Date: 9/18/2013

Report Number: 14087-0

Lab ID: 13091336

Sample Type: Wastewater

.

Your Sample ID: U-15

Date Sampled: 9/16/2013 11:00:00AM

Date Received: 9/16/2013

Collection: GRAB

					Analysis	
Method	Analyte	Result	Units	MDL/PQL	Date	Analyst
EPA_200.7	Nickel	<0.01	mg/L	0.01	9/17/13	CC.
	Potassium	16.0	mg/L	0.01	9/17/13	CC
	Selenium	<0.01	mg/L	0.01	9/17/13	CC:
	Silver	<0.005	mg/L	0.005	9/17/13	CC
	Sodium	2.15	mg/L	0,01	9/17/13	CC
	Thallium	<0.01	mg/L	0.01	9/17/13	CC
	Zinc	<0.01	mg/L	0.01	9/17/13	CC

QA/QC Manager

Results relate only to items tested. Samples tested as received. This report may not be reproduced except in full with the approval of Ream and Haager Laboratory, Inc.

2014-00657203372

Rosebud Mining Company

Vail South Coal Refuse Disposal Facility

Attachment to Antidegradation Addendum

December 9, 2013



Ream and Haager Laboratory, Inc.

P.O. Box 706, 179 West Broadway

Dover, OH 44622

TEL: (330) 343-3711

FAX: (330) 343-9858

Email: rhlab@rhlab.us

Ohio EPA Chemical Certification # 4162 Ohio EPA Bacteria Certification # 893

Final Report

Report Date: 10/18/2013

Report Number: 14842-0

Chain of Custody #: 132321

Project Name: D-2177

- Certificate of Analysis - for

ROSEBUD MINING CO. 95 NORTH LISBON STREET CARROLLTON, OH 44615

Project Comments: BAIR GOODIE AND ASSOC.

Lab ID: 13092665

Sample Type: Wastewater

Your Sample ID: 001

Date Sampled: 9/30/2013 8:15:00AM

Date Received: 9/30/2013

Method	Analyte	Result	Units	MDL/PQL	Analysis Date	Analyst
EPA 335.4	Cyanide	<0.02	mg/L	0.02	100113	CC
EPA_245.1	Mercury	<0.00020	mg/L	0.0002	10.1.2013	WG
EPA_420.4	Total Phenolics	<0.05	mg/L	0.05	10.4.2013	WG
SM20th_2540D	Total Suspended Solids	4	mg/L	1. 3.	10/16/13	CC
SM20th_4500H+B	pH	9.83	S.U.		10/1/2013	WG
SM20th_2320B	Alkalinity as CaCO3	283	mg/L	1	10.1.2013	WG
SM20th_2310B	Acidity as CaCO3	0	mg/L	1	10/1/2013	WG
SM20th_2340B	Hardness as CaCO3	81.7	mg/L	1.00	100113	СС
SM20th_2340B	Hardness as CaCO3	81.7	mg/L	1.00	10/16/13	CC
EPA_300.0	Sulfate	1050	mg/L	5	10/8/2013	WG
SM20th_2510B	Conductivity	1920	μS/cm	0.1	10/1/2013	WG
EPA_200.7	Aluminum	0.36	mg/L	0.01	100113	CC
	Antimony	<0.01	mg/L	0.01	100113	СС
	Arsenic	<0.01	mg/L	0.01	100113	CC
	Beryllium	<0.01	mg/L	0.01	100113	CC
	Cadmium	<0.01	mg/L	0.01	100113	cc

Client:

ROSEBUD MINING CO.

Rosebud Mining Company

Vail South Coal Refuse Disposal Facility

Your Sample ID: 001

Attachment to Antidegradation Addendum

December 9, 2013

Final Report

Report Date: 10/18/2013

Report Number: 14842-0

Lab ID: 13092665

Date Sampled: 9/30/2013 8:15:00AM

Date Received: 9/30/2013 Sample Type: Wastewater

Collection: GRAB

Method	Analyte	Result	Units	MDL/PQL	Analysis Date	Analyst
EPA_200.7	Calcium	9.45	mg/L	0.01	100113	СС
	Chromium	<0.01	mg/L	0.01	100113	CC
	Copper	<0.01	mg/L	0.01	100113	CC
	Lead	0.05	mg/L	0.01	100113	СС
	Magnesium	14.1	mg/L	0.01	100113	CC
	Nickel	<0.01	mg/L	0.01	100113	CC
	Potassium	13.0	mg/L	0.01	100113	CC
	Selenium	<0.01	mg/L	0.01	100113	CC
	Silver	<0.005	mg/L	0.005	100113	CC
	Thallium	<0.01	mg/L	0.01	100113	CC
	Zinc	<0.01	mg/L	0.01	100113	CC
EPA_200.7	Iron	0.21	mg/L	0.01	10/16/13	CC
	Manganese	0.20	mg/L	0.01	10/16/13	CC

Lab ID: 13092666

Date Sampled: 9/30/2013 9:00:00AM

Sample Type: Wastewater

Date Received: 9/30/2013

Your Sample ID: 003

Method	Analyte	Result	Units	MDL/PQL	Analysis Date	Analyst
EPA 335.4	Cyanide	<0.02	mg/L	0.02	100113	CC.
EPA_245.1	Mercury	<0.00020	mg/L	0.0002	10.1.2013	WG
EPA_420.4	Total Phenolics	<0.05	mg/L	0.05	10.4.2013	WG
SM20th_2540D	Total Suspended Solids	5	mg/L	1	10/16/13	CC
SM20th_4500H+B	pH	3.70	S.U.		10/1/2013	WG
SM20th_2320B	Alkalinity as CaCO3	0	mg/L	1	10.1.2013	WG
SM20th_2310B	Acidity as CaCO3	50	mg/L	1	10/1/2013	WG
SM20th_2340B	Hardness as CaCO3	465	mg/L	1.00	100113	CC
SM20th_2340B	Hardness as CaCO3	465	mg/L	1.00	10/16/13	CC.
EPA_300.0	Sulfate	1210	mg/L	5	10/8/2013	WG

Client: Rosebud Mining Company MINING CO.

Vail South Coal Refuse Disposal Facility

Attachment to Antidegradation Addendum

December 9, 2013

Final Report

Report Date: 10/18/2013

Report Number: 14842-0

Lab ID: 13092666

Date Sampled: 9/30/2013 9:00:00AM

Sample Type: Ground/Surface Water

Date Received: 9/30/2013

Your Sample ID: 003

Collection: GRAB

Method	Analyte	Result	Units	MDL/PQL	Analysis Date	Analyst
SM20th_2510B	Conductivity	1480	μS/cm	0.1	10/11/2013	WG
EPA_200.7	Aluminum	4.44	mg/L	0.01	100113	CC
	Antimony	<0.01	mg/L	0.01	100113	CC
	Arsenic	<0.01	mg/L	0.01	100113	CC
	Beryllium	<0.01	mg/L	0.01	100113	CC
	Cadmium	<0.01	mg/L	0.01	100113	CC
	Calcium	133	mg/L	0.01	100113	cc
	Chromium	<0.01	mg/L	0.01	100113	CC
	Copper	<0.01	mg/L	0.01	100113	CC
	Lead	0.16	mg/L	0.01	100113	CC
	Magnesium	32.3	mg/L	0.01	100113	CC
	Nickel	0.15	mg/L	0.01	100113	cc
	Potassium	9.37	mg/L	0.01	100113	CC
	Selenium	<0.01	mg/L	0.01	100113	CC
	Silver	< 0.005	mg/L	0.005	100113	CC
	Thallium	<0.01	mg/L	0.01	100113	CC
	Zinc	0.31	mg/L	0.01	100113	CC
EPA_200.7	Iron	0.71	mg/L	0.01	10/16/13	CC
	Manganese	6.45	mg/L	0.01	10/16/13	cc

QA/QC Manager

Results relate only to items tested. Samples tested as received. This report may not be reproduced except in full with the approval of Ream and Haager Laboratory, Inc.



